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Radio, No 5, 1951, p.64.

ALL-UNION COMPETITION ON THE DESIGN OF RURAL RADIOFICATION EQUIPMENT

In March 1950, the Ministry of Communications USSR announced a competition for the design of an economical battery receiver and a very sensitive loudspeaker for wired radio networks. By the end of the competition, 1 January 1951, the Ministry had received models of seven receivers and six loudspeakers.

The competition committee rated both loudspeakers and receivers by their sound reproduction quality, craftsmanship of construction, and prospects for mass production, and the receiver, in addition, by ease of tuning. Prizes were awarded to the designers whose work most nearly fulfilled the conditions of the

The first prize (15,000 rubles) was awarded to M. I. and P. I. Oblezov, Moscow, and A. G. Naumov, Tula, for designing the Tula receiver and Tula loudspeaker.

The second prize (10,000 rubles) was awarded to a group of designers in the "Radiotekhnika" Plant, Riga, for designing the B-1950 radio and G-1950 speaker.

The third prize (5,000 rubles) was divided between P. V. Kuznetsov, Stavropol', designer of the Standart receiver, and D. Kh. Shiftman, Leningrad, designer of the SG-1 speaker.

All the prize-winning receivers are regenerative and operate on two miniature tubes. The total power consumption of the Tula is 360 mw, of the B-1950, 332 mw, and of the Standart, 374 mw.

The Tula electrodynamic loudspeaker draws 50 mw from the wired radio network and develops an average sound pressure of 2.2 dynes per sq cm. Corresponding figures are 9.5 mw and 1.37 dynes per sq cm for the G-1950 and 15 mw and 1.3 dynes per sq cm for the SG-1.

The results obtained in the prize-winning models show real progress in the development of economical receivers and speakers for rural areas.

Organization of mass production of this equipment should be an important factor in completing the radiofication of the country.

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